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Docket N .: 8733.742.00

Declaration, Power of Attorney and Petition

WE (I) the undersigned inventor(s), hereby declare(s) that:

My residence, post office address and citizenship are as stated below next to my name,

We (I) believe that we are (I am) the original, first, and joint (sole) inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled

ARRAY SUBSTRATE FOR IPS MODE LIQUID CRYSTAL DISPLAY DEVICE AND METHOD FOR FABRICATING THE SAME

the specification of which

	is attached he	reto.			٠.	•
D	was filed on					
ş	<u> </u>	as Application No.				
		and amended on			. :	
	was filed as I	CT international applic	ation	i -		
	Number					:
	on					
	and was amen	nded under PCT Article	19			
	on			(if appl	icable).	

We (I) hereby state that we (I) have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

We (I) acknowledge the duty to disclose information known to be material to the patentability of this application as defined in Section 1.56 of Title 37 Code of Federal Regulations.

We (I) hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed. Prior Foreign Application(s)

Application No.	Country	Country Day/Month/Year		riority	Clair	ned
2001-0084259	KOREA	24 December 2001	E	Yes		No
				Yes		No
			0	Yes		No

	<u> </u>	·			<u> </u>		Yes		No
We (I) he tates provisional		benefit under Tivlisted below.	ile 35, U	nited St	ites Cod	c, §1	19(e)	of a	ny Unite
				: .					• •
	(Application	Number)		(Filing	Date)		- -		
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e subject matter CT International knowledge the	of each of the lapplication is duty to disclos me available b	al application design claims of this application which is a constant of the control of the contr	lication is vided by ch is mat	not dis the firs erial to	losed in paragra patentabi	the p ph o lity s	orior U f 35 as defi	Inite U.S.C ned	d States C. §112, in 37 CF
Application Se	rial No.	Filing Date	<u> </u>	Status	(pendin	g, pat	ented,	abar	ndoned)
itcomb, Reg. No rosecute this app hereby reques	o. 46,463 as of blication and to st that all con Aldridge LLP	y. No. 41,786, Ter ur (my) attorneys, transact all busine respondence regar , Attorneys At Law	with full ess in the ding this 1, 1900 K	powers Patent (applica Street, 1	of substitution of substitutio	nnect sent ashin	ed the to So gton, I	reving K	ocation, th; and v C. Jung
estements made were made with the imprisonment,	he knowledge to or both, unde	a and belief are being willful false star Section 1001 of pardize the validity	elieved to etements Title 18	be true and the of the	; and fu ike so m United S	ther ade a states	that the purious Code	nese nisha and	statement ble by fi that su
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Date

GEE-S	UNG CHAE		÷	Residence:	Incheon-	kwangyokshi, Korea
NAME	OF FIRST INVENTO	R	Hanyang Ich dong, Yeon	a APT. 11 ru-gu	1-607, Dongchun-	
	<u> </u>			Incheon-kw	angyokshi,	Republic of Korea,
				Citizen of:	Republic	of Korea
Signati	re of Inventor			Post Office	Address:	Same As Above
	<u> </u>	<u>.</u>		. :		
Date				•		

Docket No.: 8733.742.00

Declaration, Power of Attorney and Petition

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the specification of which

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(23)	is attached he	reto.	
a	was filed on		
		as Application No.	
•		and amended on	
	was filed as I	CT international application	n
	Number		
·	on		
-	and was ame	nded under PCT Article 19	
<u> </u>	on		(if applicable).
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We (I) acknowledge the duty to disclose information known to be material to the patentability f this application as defined in Section 1.56 of Title 37 Code of Federal Regulations.

We (I) hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed. Prior Foreign Application(s)

Application No.	Country	Country Day/Month/Year		Priority Claimed				
2001-0084259	KOREA	24 December 2001	国	Yes		No		
				Yes		No		
				Yes		No		

		· · · · ·			·		10) Yes	TOTA	3
77'- 00	hereby claim	the benefi	t under T	litle 3	, United	States	Code,	§1 19(c) of any	United
We (1) States provisio	nal application	(a) listed be	olow.				• • • •			
		· - NT		_	(Fi	ling Da	te)		٠.	
	(Applicat	ion Numbe	r)		/- .		/	. •		

We (I) hereby claim the benefit under 35 U.S.C. §120 of any United States application(s), or §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

٢	Application Serial No.	Filing Date	Status (pending, patented, abandoned)
ŀ			
ŀ			

And we (I) hereby appoint Song K. Jung, Reg. No. 35,210; John M. Kelly, Reg. No. 33,920; Rebecca Goldman Rudich, Reg. No. 41,786, Teresa M. Arroyo, Reg. No. 50,015 and William D. Titcomb, Reg. No. 46,463 as our (my) attorneys, with full powers of substitution and revocation, to prosecute this application and to transact all business in the Patent Office connected therewith; and we (I) hereby request that all correspondence regarding this application be sent to Song K. Jung of McKenna Long & Aldridge LLP, Attorneys At Law, 1900 K Street, N.W., Washington, D.C. 20006.

We (1) declare that all statements made herein of our (my) own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

IK-SOO KIM		Residence:	709-503,	Ureukjugong Apt.,		
NAME OF FIRST INVENTOR		1146-11, Sanbon-dong, Gunpo-si, Gyeonggi-				
		Republic of	Котеа,			
		Citizen of:	Republic	of Korea		
Signature of Inventor		Post Office	Address:	Same As Above		
		·				
Date						

GEE-SUNG CHAE

NAME OF FIRST INVENTOR

Gez Sung CHAC Signature of Inventor

Date

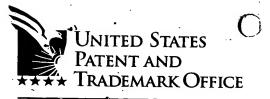
Incheon-kwangyokshi, Korea Residence:

Hanyang Icha APT. 111-607, Dongchundong, Yeonau-gu

Incheon-kwangyokshi, Republic of Korea,

Citizen of: Republic of Korea

Post Office Address: Same As Above



1900 K STREET, N.W. WASHINGTON, DC 20006

MCKENNA LONG & ALDRIDGE LLP

APRIL 18, 2003

SONG K. JUNG

PTAS

Under Secretary of Commerce For Intellectual Property and Director of the United States Patent and Trademark Office Washington, DC 20231 www.uspto.gov



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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/13/2002

REEL/FRAME: 013580/0763

NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

KIM, IK-SOO

DOC DATE: 12/09/2002

ASSIGNOR:

CHAE, GEE-SUNG

DOC DATE: 12/05/2002

ASSIGNEE:

LG.PHILIPS LCD CO., LTD. 20, YOIDO-DONG, YOUNGDUNGPO-KU SEOUL, REPUBLIC OF KOREA

SERIAL NUMBER: 10318235

PATENT NUMBER:

FILING DATE: 12/13/2002

ISSUE DATE:

JEFFREY OLSEN, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

12-19-2002

12-13.

Form PTO-1595 (Rev. 03/ 01)

OMB No. 0651-0027 (exp. 5/31/2002)

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U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Honorable Commission	ner of Patents and Trademarks: I	Please record the attached original documents or copy thereof of
Name of conveying part	y(ies):	2. Name and address of receiving party(ies)
IK-SOO KIM- GEE-SUNG CHAE		Name: LG.Philips LCD Co., Ltd.
		Internal Address:
Additional name(s) of conveying pa attached?	rty(ies) Yes X No	Street Address: 20, Yoido-dong, Youngdungpo-ku
3. Nature of Conveyance:		Seoul, KOREA
x Assignment	Merger	
Security Agreement	Change of Name	City:
Other		State: Zip:
Execution IK-SOO KII Date: GEE-SUNG	M- December 9, 2002 G CHAE- December 5, 2002	Additional name(s) & address(es) attached:
4. Application number(s) or	patent number(s): 10 /	318235
If this document is being filed tog	ether with a new application, the ex	ecution date of the new application is:
A. Patent Application No.(s		B. Patent No.(s):
	Additional numbers attach	ed? Yes X No
Name and address of party concerning document should	to whom correspondence	6. Total number of applications and patents involved:
Name: Song K. Jung MCKENNA LONG &	ALDRIDGE LLP	7. Total fee (37 CFR 3.41) \$40.00
Internal Address: Atty. Dkt.	: 8733.740.00-US	x Enclosed
Street Address: 1900 K Street, N.W.		Authorized to be charged to deposit account
		Authorized to be charged to credit card (Form 2038 enclosed)
		8. Deposit account number:
City: Washington	State: Zip: DC 20006	50-0911
		(Attach duplicate copy of this page if paying by deposit account)
	DO NOT USE	THIS SPACE
Statement and signature.		
To the best of my knowledgis a true copy of the original	e and belief, the foregoing info document.	ormation is true and correct and any attached copy
Teresa M. Arr	royo 50,015 🔏	December 13, 2002
Name of Person		Signature Date
Total number of	pages including cover sheet, attach	nments, and documents:

12/16/2002 HDEMESS1 00000022 10318235

01 FC:8021

40.00 OP

Docket N .: 8733.742.00

Assignment of Application

WHEREAS, I (WE	AS, I (WE) Ik-Soo Kim and Gee Sung CHAE						
	<u> </u>		, respectively,				
have invented certain new	and useful improvements in:	7					
	RATE FOR IPS MODE LIQUI	TO CONCEAN					
DEVICE	TO THE LOW TES MODE FIGURE	D CK X 2 I VI	DISPLAY				
DEVICE	ND METHOD FOR FABRICA	TING THE	SAME				
for which an application f	or Letters Patent was executed o						
to the state of the second of	A Terreta Lateur Maz executed o	on					
(Application No.	, Filed), and				
WHEREAS ICI	hilips LCD Co., Ltd.	L					
	·						
hereinafter referred to as	"ASSIGNEE") having a place o	f husiness at					
20 Yoido-dong, Youngdu	ngno-ku Seoul KOREA	T DESCRIPTION TO	•				
	"Phanen' neam' teatonic						

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and Its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behalf of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and

enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of McKenna Long & Aldridge LLP, Attorneys at Law, 1900 K Street, N.W., Washington, D.C. 20006 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date:		
	(8) Another of Inventor)	_
	Ik-Soo KIM	

Data: Dec. 5, 2002

(Signature of Inversor)
Gee Sung CHAE

McKenna Long & Aldridge LLP
Attorneys At Law
1900 K Street, N.W.
Washington, D.C. 20006

2002-DEC-11 11:09 FROM:

P.002/011 P.007

Docket No.: 8733.742.00

Assignment of Application

	-				, respe	ctively,
have invented cert	ain new and useful improvement	s in:			-	
DE	SUBSTRATE FOR IPS MODE VICE AND METHOD FOR FAI cation for Letters Patent was exe	BRICA	TING 7	STAL DIS	SPLAY Œ	
tor writer an appu	Cadon for Leaters Patent was exe	CHISO (.		
(Application No.		Filed	'''), and
(Application No.), and

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

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Date: 12. 9. 1302

(Signature of Inventor)

Ik-Soo KIM

Date:

(Signature of inventor)
Gee Sung CHAE

McKenna Long & Aldridge LLP
Attorneys At Law
1900 K. Street, N.W.
Washington, D.C. 20006